

Title (en)

CORROSION PROTECTION BY COATING WITH A HYBRID SILOXANE-BASED SOL-GEL COMPOSITION

Title (de)

KORROSIONSSCHUTZ DURCH BESCHICHTUNG MIT EINER HYBRIDSILOXANBASIERTEN SOL-GEL ZUSAMMENSETZUNG

Title (fr)

PROTECTION ANTICORROSION AU MOYEN D'UN REVÊTEMENT CONTENANT UNE COMPOSITION SOL-GEL À BASE DE SILOXANE HYBRIDE

Publication

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Application

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Abstract (en)

[origin: WO2013186064A1] The invention relates to a hybrid siloxane-based sol-gel composition, a method for the production thereof and use thereof in corrosion protection, particularly of copper materials which are used as heat exchangers for water heating. In recent times, exhaust gases have more and more frequently been brought into use to heat water in heat exchangers for ecological reasons, to save energy and also to save costs because of increasing energy prices. The aggressive ambient conditions found in the exhaust gas flow (high temperatures, low pH value because of the presence of SO₂, NO_x), demand an effective corrosion protection for the heat exchanger used.

IPC 8 full level

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